

## 11.MPE ESTIMATION

### 11.1.Limit for General Population/ Uncontrolled Exposures

Frequency	Power density (mW/ cm <sup>2</sup> )	Averaging time(minutes)
300MHz----1.5GHz	F/1500	30
1.5GHz---100GHz	1.0	30

Frequency(MHz)	Power density (mW/ cm <sup>2</sup> )	Averaging time(minutes)
2412	1	30
2437	1	30
2462	1	30

Note: F= Frequency in MHz

### 11.2. Estimation Result

EUT: Wireless N Router		
M/N: TL-MR3220		
Test date:2012-07-21	Pressure: 101.3 kpa	Humidity: 50.6 %
Tested by: Leo-Li	Test site: RF Site	Temperature : 25.4°C

Cable loss: 1 dB		Attenuator loss: 20 dB				Antenna Gain: 5 dBi	
Test Mode	CH	Frequency (MHz)	Peak Output Power (dBm)	Output Power (mW)	Antenna Gain (dBi)	Antenna Gain (Linear)	MPE
11b	CH1	2412	18.12	64.86	5	3.16	0.0408
	CH6	2437	18.86	76.91	5	3.16	0.0484
	CH11	2462	19.61	91.41	5	3.16	0.0575
11g	CH1	2412	18.97	78.89	5	3.16	0.0497
	CH6	2437	26.53	449.78	5	3.16	0.2831
	CH11	2462	21.08	128.23	5	3.16	0.0807
11n HT20	CH1	2412	18.49	70.63	5	3.16	0.0445
	CH6	2437	26.46	442.59	5	3.16	0.2786
	CH11	2462	20.16	103.75	5	3.16	0.0653
11n HT40	CH1	2412	17.13	51.64	5	3.16	0.0325
	CH4	2437	27.23	528.45	5	3.16	0.3326
	CH7	2462	22.26	168.27	5	3.16	0.1059